This listing of claims, dated 12/28/2006, based on the listing dated 08/26/2006 will replace all prior versions, and listings, of claims in the application.

Listing of Claims:

1.(currently amended) A combined support structure and cooling duct system directed to physical support and cooling of ~~an~~ electronic control ~~console having a desk-top type~~ circuitry contained in a compact enclosure ~~of designated height~~, comprising:

a heat-dissipating tubular duct unit, external to the ~~console~~ enclosure, having two side-by-side vertical straight tubular duct portions with upper ends that are connected to a bottom panel of the ~~console~~ enclosure in a manner to be in airflow communication with the interior region of the ~~console~~ enclosure ~~which is otherwise made substantially airtight~~, the straight tubular duct portions extending downwardly from the ~~console~~ enclosure ~~by a dimension exceeding the designated height thereof~~ to lower ends that are mutually interconnected in airflow communication thus ~~forming~~ constituting a heat dissipater whose external surface is tubular and is totally exposed directly to environmental room air and whose internal region constitutes a major portion of a closed loop air passageway that includes ~~the~~ said duct unit and the ~~console~~ enclosure, said ~~the~~ duct unit being made and arranged to also ~~provide a major portion of~~ contribute substantially to structural support of the ~~control console~~ enclosure.

2. (previously amended) The combined support structure and cooling duct system as defined in claim 1 further comprising a first electric fan located near a first end port region of said heat-dissipating tubular duct unit, made and arranged to promote circulation of air around the closed loop air passageway.

3. (previously amended) The combined support structure and

cooling duct system as defined in claim 2 further comprising a second electric fan located near a second end port region of said heat-dissipating tubular duct unit, made and arranged to further promote circulation of air around the closed loop air passageway.

4. (previously amended): The combined support structure and cooling duct system as defined in claim 2 wherein said heat-dissipating tubular duct unit is made from metal configured in a continuous U-shape with upwardly-extending legs constituting the two side-by-side vertical straight tubular duct portions.

5. (currently amended): The combined support structure and cooling duct system as defined in claim 2 further comprising a base platform, made and arranged to provide ~~ground-level~~ floor-based elevated support of ~~the console~~ said enclosure~~, attached in a supportive manner to~~ via said heat-dissipating tubular duct ~~in a lower region thereof~~.

6. (Currently amended) The combined support structure and cooling duct system as defined in claim 5 further comprising a straight elongate support strut attached to the base platform and the bottom panel of the ~~console~~ enclosure, and extending there between in a predominantly vertical inclined direction, providing a ~~minor~~ portion of the structural support of the ~~control console~~ enclosure.

7. (currently amended) A combined support structure and cooling duct system providing physical support and cooling of electronic circuitry in a control console of a type suitable for use in conjunction with an x-ray food inspection station, comprising:

a ~~console~~ compact enclosure containing the electronic circuitry in an interior region thereof; ~~and~~

a heat-dissipating duct, external to the ~~console~~ enclosure, having two ends that are both in airflow communication with the interior region of ~~the console~~ said enclosure which, along with

said duct, is ~~otherwise~~ made substantially airtight, thus forming a closed loop air passageway that includes said duct and ~~the console~~ said enclosure, said duct being made from metal in tubular form, configured in a U-shape with both upwardly-extending legs connected to a bottom panel of ~~the console~~ said enclosure at respective through-openings, and being made and arranged to also ~~provide a major portion of~~ contribute substantially to structural support of ~~the control console~~ said enclosure;

a first electric fan located near a first end region of said heat-dissipating duct, made and arranged to promote circulation of air around the closed loop air passageway;

a base platform, made and arranged to provide ~~ground-level~~ floor-based elevated support of ~~the console~~ said enclosure~~, attached in a supportive manner to~~ via said heat-dissipating duct ~~in a lower region thereof~~; and

a straight support strut configured as a metal tube attached to the base platform and the bottom panel of ~~the console~~ said enclosure, and extending there-between in a predominantly vertical inclined direction.

8. (previously amended) The combined support structure and cooling duct system as defined in claim 7 wherein said straight support strut is made and arranged to serve as a conduit for an interconnecting cable associated with the electronic circuitry.

9. (previously presented) The combined support structure and cooling duct system as defined in claim 7 further comprising a second electric fan located near a second end region of said heat-dissipating duct, made and arranged to further promote circulation of air around the closed loop air passageway.

10. (previously presented) The combined support structure and cooling duct system as defined in claim 1 wherein said heat-dissipating duct unit is configured in a U-shape with the two

straight tubular duct portions mutually interconnected, at the lower ends thereof, contiguously and seamlessly in airflow communication by a semi-circular tubular duct portion forming a bottom region of the U-shape.

11. (currently amended) The combined support structure and cooling duct system as defined in claim 6 wherein the straight elongate support strut is made and arranged to serve as a conduit for an interconnecting cable associated with the electronic circuitry in ~~the control console~~ said enclosure.

12. (new): The combined support structure and cooling duct system as defined in claim 1 wherein the closed loop air passageway that includes said duct unit and the enclosure is made to be substantially air-tight and water-tight so as to protect the contained electronic control circuitry from potentially destructive environmental substances.